

and sheath-core types, and comprises polymer with high melting point and polymer with low melting point, birefringence of  $12 \times 10^{-3}$  to  $30 \times 10^{-3}$  and crystallization degree of 15 to 25 percent by weight, wherein the filaments constituting the base cloth are thermally bonded with each other, and wherein the base cloth for tufted carpet has heat shrinkage of 1 percent or less at  $120^{\circ}\text{C}$  in 3 minutes both in a machine direction and a cross direction thereto.

15. (New) Base cloth according to claim 14, wherein the filaments are adhered with each other by binder resin at the contact points thereof.

16. (New) Base cloth for tufted carpet, wherein the base cloth is constituted by nonwoven fabric made of filaments formed of poly lactic acid based polymers, wherein the filament has a non-round cross-section selected from a group of side-by-side, islands-sea, sheath-core and multilobe types, and comprises polymer with high melting point and polymer with low melting point, and crystallization degree of 15 to 25 percent by weight, wherein the filaments constituting the base cloth are thermally bonded with each other, and wherein the base cloth for tufted carpet has heat shrinkage of 1 percent or less at  $120^{\circ}\text{C}$  in 3 minutes both in a machine direction and a cross direction thereto.

17. (New) Base cloth according to claim 16, wherein the filaments are adhered with each other by binder resin at the contact points thereof.

18. (New) Base cloth for tufted carpet, wherein the base cloth is constituted by nonwoven fabric made of filaments formed of poly lactic acid based polymer, wherein the filament has a round cross-section of single phase, birefringence of  $12 \times 10^{-3}$  to  $30 \times 10^{-3}$  and crystallization degree of 15 to 25 percent by weight, wherein the filaments constituting the base cloth are thermally bonded with each other and adhered with

each other by binder resin at the contact points thereof, and wherein the base cloth for tufted carpet has heat shrinkage of 1 percent or less at 120°C in 3 minutes both in a machine direction and a cross direction thereto.

19. (New) Base cloth for tufted carpet, wherein the base cloth is constituted by nonwoven fabric made of filaments formed of poly lactic acid based polymer, wherein the filament has a non-round cross-section of single phase and crystallization degree of 15 to 25 percent by weight, wherein the filaments constituting the base cloth are thermally bonded with each other and adhered with each other by binder resin at the contact points thereof, and wherein the base cloth for tufted carpet has heat shrinkage of 1 percent or less at 120°C in 3 minutes both in a machine direction and a cross direction thereto.

20. (New) Base cloth for tufted carpet, wherein the base cloth is constituted by nonwoven fabric made of a mixture of first filaments and second filaments in which each first filament is formed of a poly lactic acid based polymer with high melting point and each second filament is formed of a second poly lactic acid based polymer with low melting point, wherein each of the first and second filaments has round cross-section, birefringence of  $12 \times 10^{-3}$  to  $30 \times 10^{-3}$  and crystallization degree of 15 to 25 percent by weight, wherein the filaments constituting the nonwoven fabric are thermally bonded with each other, and wherein the base cloth for tufted carpet has heat shrinkage of 1 percent or less at 120°C in 3 minutes both in a machine direction and a cross direction thereto.

21. (New) Base cloth according to claim 20, wherein the filaments are adhered with each other by binder resin at the contact points thereof.

22. (New) Tufted carpet comprising the base cloth according to any one of claims 14 to 21.

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